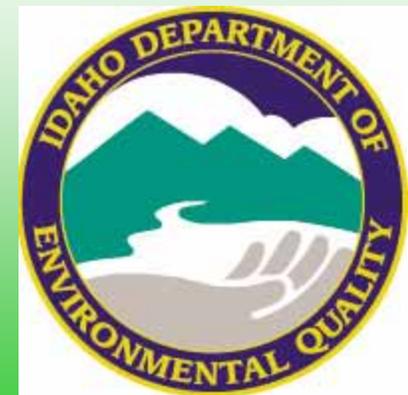


# Upper Hangman Creek TMDL

Presented to the Upper Hangman  
Creek WAG by IDEQ  
November 9, 2006



## **AGENDA**

### **Upper Hangman Creek Watershed Advisory Group**

Thursday November 9, 2006

9:00 am – 12:00 pm

Tensed City Hall

311.C Street, Tensed ID

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**9:00 - 9:15**

**1. Introductions and Meeting Agenda**

**9:15 – 10:30**

**2. Draft TMDL Questions, Comments and Concerns**

**Break 10:30 – 10:45**

**10:45 – 11:30**

**2. Draft TMDL Questions, Comments and Concerns**

**11:30 - 11:55**

**3. Update Upper Hangman Creek TMDL Draft Timelines and Milestones**

A. TMDL to Basin Advisory Group for Review

B. TMDL out for Public Comment

**11:55 - 12:00**

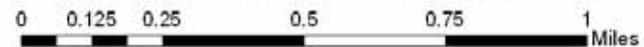
**4. Scheduling of Future WAG meetings, if needed**

# Concerns from October 17th

- How will PNV shade target effect the way I manage my land
- A more user friendly TMDL

# Examples of Harvest and Shade

Harvested Areas of Bunnel Creek and Field Verified Shade



# TMDL Fact Sheets

## Tributaries to Hangman and South Fork Hangman Creek TMDL Fact Sheet

### History

Tributaries to Hangman Creek and South Fork Hangman Creek (Bunnel, Hill, Conrad, Martin, and Texas Creek) have been identified through analysis completed by the Idaho Department of Environmental Quality (DEQ) as not meeting state water quality standards. Water quality standards are intended to protect water for beneficial uses, such as swimming, fishing, and drinking water. The DEQ is working in conjunction with the Upper Hangman Creek Watershed Advisory Group (WAG), which consists of local land owners and land managers to restore water quality and develop a water quality restoration plan, known as a TMDL. Through the TMDL development process excess sediment and temperature have been identified as impairing water uses. The goal of the TMDL is to identify the amounts of these pollutants that need to be removed in order to restore water quality.



Figure 1

The portions of Hangman Creek and South Fork Hangman Creek tributaries that were addressed in the TMDL are located outside of the Coeur d'Alene Indian Reservation, figure 1. This watershed area comprises approximately 10,000 acres. Land use within the watershed varies from forest in the headwaters to non-irrigated agricultural land in the valley bottoms. A number of homes are located within the watershed and are mostly located along stream corridors.

### Pollutant Identification

The Upper Hangman Creek TMDL addressed excess levels of sediment and temperature for these tributaries. Levels of these pollutants were measured and determined to be in exceedence of Idaho water quality law. The TMDL identified the amounts of each pollutant that need to be removed from the creek in order to restore all water uses. Table 1 below contains the desired percent pollutant reductions from within the Hangman Creek and South Fork Hangman Creek tributaries.

Table 1. Generalized pollutant reductions for Hangman and South Fork Hangman Creeks.

	Sediment*	Temperature*
Bunnel Creek	54% decrease in sediment	15% increase in shade
Hill Creek	54% decrease in sediment	25% increase in shade
Conrad Creek	54% decrease in sediment	52% increase in shade
Martin Creek	54% decrease in sediment	69% increase in shade
Texas Creek	54% decrease in sediment	74% increase in shade

\* Values displayed in table 1 are generalized, please refer to section 5 of the TMDL for a more complete description of pollutant reductions.

## Hangman and South Fork Hangman Creek TMDL Fact Sheet

### History

Hangman Creek and South Fork Hangman Creek have been identified through analysis completed by the Idaho Department of Environmental Quality (DEQ) as not meeting state water quality standards. Water quality standards are intended to protect water for beneficial uses, such as swimming, fishing, and drinking water. The DEQ is working in conjunction with the Upper Hangman Creek Watershed Advisory Group (WAG), which consists of local land owners and land managers to restore water quality and develop a water quality restoration plan, known as a TMDL. Through the TMDL development process excess sediment, temperature, and bacteria have been identified as impairing water uses. The goal of the TMDL is to identify the amounts of these pollutants that need to be removed in order to restore water quality.



Figure 1

The portions of Hangman Creek and South Fork Hangman Creek that were addressed in the TMDL are located outside of the Coeur d'Alene Indian Reservation, figure 1. This watershed area comprises approximately 10,000 acres. Land use within the watershed varies from forest in the headwaters to non-irrigated agricultural land in the valley bottoms. A number of homes are located within the watershed and are mostly located along stream corridors.

### Pollutant Identification

The Upper Hangman Creek TMDL addressed excess levels of sediment, temperature and bacteria. Levels of these pollutants were measured and determined to be in exceedence of Idaho water quality law. The TMDL identified the amounts of each pollutant that need to be removed from the creek in order to restore all water uses. Table 1 below contains the desired percent pollutant reductions from within the Hangman Creek and South Fork Hangman Creek watersheds.

Table 1. Generalized pollutant reductions for Hangman and South Fork Hangman Creeks.

	Hangman Creek	South Fork Hangman Creek
Sediment*	54% decrease in sediment	54% decrease in sediment
Temperature*	63% increase in shade	70% increase in shade
Bacteria*	0% - 85% decrease in bacteria	15% - 40% decrease in bacteria

\* Values displayed in table 1 are generalized, please refer to section 5 of the TMDL for a more complete description of pollutant reductions.

# Draft Upper Hangman Creek TMDL

## Upper Hangman Creek Assessment and Total Maximum Daily Load



Draft



Department of Environmental Quality

July 2005

- Questions
- Comments
- Concerns

# TMDL Timeline

## What's next for the Upper Hangman Creek TMDL



# Upcoming WAG Meeting if Needed

December 2006						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24/31	25	26	27	28	29	30

January 2007						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

February 2007						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			